CLAIMS

WHAT IS CLAIMED IS:

1. An airbag cushion comprising a coated fabric, wherein said fabric is coated with a laminate film; and wherein said airbag cushion exhibits a characteristic leak-down time after inflation of at least 5 seconds; and wherein said inflatable fabric comprises at least two layers of fabric in certain discrete areas of the fabric and at least one narrow single fabric layer at a discrete area within said fabric, wherein said at least one narrow single fabric layer is formed solely from a basket weave pattern of an even number of yarns, at most 12 yarns in width.

2. The airbag cushion of Claim 1 wherein said laminate film is present on the surface of said inflatable fabric in an amount of at most 3.0 ounces per square yard of the fabric.

3. The fabric of Claim 1 wherein said at least two layers of fabric within said inflatable fabric are formed solely from one type of weave pattern, wherein said weave pattern is not a basket weave pattern.

4. The fabric of Claim 3 wherein the weave pattern of said at least two layers of fabric within said inflatable fabric is a plain weave pattern.

5. The fabric of Claim 1 wherein at least two discrete narrow areas of single fabric layers are present within said inflatable fabric, wherein said at least two single fabric

layers are separated by an area of two layers of fabric, and wherein the lengths of each single layer is from 4 to 8 yarns in length.

6. The fabric of Claim 5 wherein said at least two single fabric layer areas are constructed solely from basket weave patterns containing at least two yarns per basket pattern and at most four yarns per basket pattern.

7. The fabric of Claim 6 wherein said separator two layers of fabric between said two single layers of fabric comprises an even number of weft yarns.

8. The fabric of Claim 7 wherein said separator two layers of fabric comprises at most 12 weft yarns and at least 2 weft yarns.

9. The fabric of Claim 8 wherein said at least two single fabric layers are constructed solely from two-by-two basket weave patterns and said separator double fabric layer comprises four weft yarns.

10. The airbag cushion of Claim 1 wherein said laminate composition comprises polyurethane.

11. The airbag cushion of Claim 1 wherein said coated fabric is woven from polyamide yarns.

12. The airbag cushion of Claim 11 wherein said polyamide yarns are formed from nylon 6,6 fiber.

13. The airbag cushion of Claim 11, wherein said polyamide yarns are multifilament yarns characterized by a linear density of about 210-840 denier.

14. The airbag cushion of Claim 13, wherein wherein said multifilament yarns are characterized by a filament linear density of about 4 denier per filament or less.

15. The airbag cushion of Claim 2 wherein said laminate composition is applied to said inflatable fabric surface in an amount of at most 2.5 ounces per square yard.

16. The airbag cushion of Claim 15 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.2 ounces per square yard.

17. An airbag cushion comprising a coated fabric, wherein said fabric is coated with a laminate film; and wherein said airbag cushion exhibits a characteristic leak-down time after inflation of at least 5 seconds; and wherein said inflatable fabric comprises at least two layers of fabric in certain discrete areas of the fabric and at least one single fabric layer at a discrete area within said fabric, wherein the weave diagram for such an inflatable fabric does not exhibit more than three consecutive unfilled blocks in any row

or column.

18. The airbag cushion of Claim 17 wherein said laminate film is present on the surface of said inflatable fabric in an amount of at most 3.0 ounces per square yard of the fabric.

19. The airbag cushion of Claim 17 wherein said laminate composition comprises polyurethane.

20. The airbag cushion of Claim 17 wherein said coated fabric is woven from polyamide yarns.

21. The airbag cushion of Claim 20 wherein said polyamide yarns are formed from nylon 6,6 fiber.

22. The airbag cushion of Claim 21, wherein said polyamide yarns are multifilament yarns characterized by a linear density of about 210-630 denier.

23. The airbag cushion of Claim 22, wherein wherein said multifilament yarns are characterized by a filament linear density of about 4 denier per filament or less.

24. The airbag cushion of Claim 18 wherein said laminate composition is applied on said airbag fabric surface in an amount of at most 2.5 ounces per square yard.

25. The airbag cushion of Claim 24 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.2 ounces per square yard.

26. An airbag cushion comprising a coated fabric, wherein said fabric is coated with a laminate film; and wherein said airbag cushion exhibits a characteristic leak-down time after inflation of at least 5 seconds; and wherein said inflatable fabric comprises at least two layers of fabric in certain discrete areas of the fabric and at least one single fabric layer at a discrete area within said fabric, wherein only two separate weave densities are present within the area directly adjacent to said single fabric layer.

27. The airbag cushion of Claim 26 wherein said laminate film is present on the surface of said inflatable fabric in an amount of at most 3.0 ounces per square yard of the fabric.

28. The airbag cushion of Claim 26 wherein said laminate composition comprises polyurethane.

29. The airbag cushion of Claim 26 wherein said coated fabric is woven from polyamide yarns.

30. The airbag cushion of Claim 29 wherein said polyamide yarns are formed from nylon 6,6 fiber.

31. The airbag cushion of Claim 30, wherein said polyamide yarns are multifilament yarns characterized by a linear density of about 210-630 denier.

32. The airbag cushion of Claim 31, wherein wherein said multifilament yarns are characterized by a filament linear density of about 4 denier per filament or less.

33. The airbag cushion of Claim 27 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.5 ounces per square yard.

34. The airbag cushion of Claim 33 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.2 ounces per square yard.

35. An airbag cushion comprising a coated fabric, wherein said fabric is coated with a laminate film; and wherein said airbag cushion exhibits a characteristic leak-down time after inflation of at least 5 seconds; and wherein said inflatable fabric comprises at least

two layers of fabric in certain discrete areas of the fabric and at least one narrow single fabric layer at least two discrete areas within said fabric, wherein said at least one narrow single fabric layer is formed solely from a basket weave pattern of an even number of yarns, at most 12 yarns in width, wherein at least two discrete narrow areas of single fabric layers are present within said inflatable fabric, wherein said at least two areas of single fabric layers are separated by an area of at least two layers of fabric, and wherein the width of each single layer is from 4 to 8 yarns in length.

36. The airbag cushion of Claim 35 wherein said laminate film is present on the surface of said inflatable fabric in an amount of at most 3.0 ounces per square yard of the fabric.

37. The airbag cushion of Claim 35 wherein said laminate composition comprises polyurethane.

38. The airbag cushion of Claim 35 wherein said coated fabric is woven from polyamide yarns.

39. The airbag cushion of Claim 38 wherein said polyamide yarns are formed from nylon 6,6 fiber.

40. The airbag cushion of Claim 39, wherein said polyamide yarns are multifilament yarns characterized by a linear density of about 210-630 denier.

41. The airbag cushion of Claim 40, wherein wherein said multifilament yarns are characterized by a filament linear density of about 4 denier per filament or less.

42. The airbag cushion of Claim 36 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.5 ounces per square yard.

43. The airbag cushion of Claim 42 wherein said laminate composition is applied to said airbag fabric surface in an amount of at most 2.2 ounces per square yard.